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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,791	12/09/2003	Shuuji Hayashida	KIN-15134	4905
40854	7590	10/06/2004	EXAMINER	
RANKIN, HILL, PORTER & CLARK LLP 4080 ERIE STREET WILLOUGHBY, OH 44094-7836			SMITH, RICHARD A	
			ART UNIT	PAPER NUMBER
			2859	

DATE MAILED: 10/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



## Office Action Summary

Application No.	Applicant(s)	
10/731,791	HAYASHIDA ET AL.	
Examiner	Art Unit	
R. Alexander Smith	2859	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7 and 8 is/are rejected.
- 7) ☒ Claim(s) 6 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. ____.  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>20031209, 20040520</u> .  | 6) <input type="checkbox"/> Other: ____.                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5, 7 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. 5,495,677 to Tachikake et al.

Tachikake et al. discloses a rotary movement converting mechanism for converting a rotary movement into a linear movement, comprising a rotary body (16) having a spiral groove (16A) on the inner circumference thereof; a movable body (3A and 3B)); a body frame (2); an approximately cylindrical support body (15) fixed to the body frame and provided with a slit (15A) along an axial direction of the rotary body; a top member (12) provided to the movable body, an engaging member (13) of the top member being inserted through the slit so that a tip end of the engaging member is engaged with the spiral groove; and a stop member (12 with 12A and 12B) that stops a linear movement of the movable body when a load is applied on the linear movement of the movable body; the stop member is a stick member (either 12 in a broad sense, 13, or 20 as identified in the Applicant's specification as element 41C which has been addressed as a stick member, a stop member and a clamp screw therein) that advances toward the inner circumference of the support body when the load is applied on the linear movement of the movable body; the top member is capable of turning around an axis extending in a direction

Art Unit: 2859

orthogonal to the axial direction of the rotary body, and wherein the stop member advances in accordance with the turning movement of the top member; wherein a spring (21) for biasing the top member in a direction for preventing the turning movement of the top member is disposed between the movable body and the top member; wherein the top member is capable of turning around an axis extending in a direction orthogonal to the axial direction of the rotary body (along 20), and wherein the stop member is engaged with the top member and the movable body and is pressed toward the inner circumference of the support body in accordance with the turning movement of the top member when the load is applied on the linear movement of the movable body (see dotted outline of 12, 12A and 12B in figure 3); wherein the stop member is disposed on a side (at 12A and 12B) of the top member opposite to a side of the top member on which the engaging member is provided relative to the axial center of the movable body and is moved in a direction opposite to the moving direction of the movable body by the turning movement of the top member; and wherein a measuring instrument (1) for measuring a displacement in a linear direction comprises the mechanism of claim 1 wherein the movable body is a spindle advanceable and retractable relative to the body frame, the support body is an inner sleeve having an end fixed to the body frame, and the rotary body is an outer sleeve.

***Allowable Subject Matter***

3. Claim 6 would be allowable if rewritten to overcome the claim objections set forth in this Office Action and to include all of the limitations of the base claim and any intervening claims.

Art Unit: 2859

4. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

### ***Conclusion***

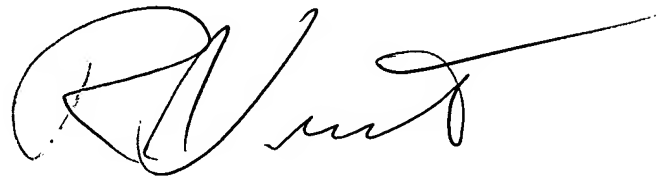
5. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure. The prior art cited in PTO-892 and not mentioned above disclose related mechanisms and measuring instruments having the mechanisms.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to R. Alexander Smith whose telephone number is 571-272-2251. The examiner can normally be reached on Monday through Friday from 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. Gutierrez can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2859

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'R. Alexander Smith', with a long horizontal flourish extending to the right.

R. Alexander Smith  
Examiner  
Technology Center 2800

RAS  
September 30, 2004